GARDINER TECHNOLOGY

GARDTEC
590 / 591

Intelligent Security & Fire Ltd

LCD User Instructions
&
LED User Instructions

Technical Manuals Online! - http://www.tech-man.com

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Introduction

Two types of display variation are available, LCD giving two rows of 16 character English text and may be used on the Gardtec 591 and LED giving two 7 segment LED digits that may be used on the Gardtec 590 & 591.
Please take time to familiarise yourself with the type of equipment fitted to your premises as it will prove invaluable whilst using this manual.

User Code Types

Four types of User Codes are available on the Gardtec 590/591, each user code type allows for different levels of access. In total 7 User codes may be programmed by a Master Level User Code.

User number 1 will always be a Master Level User but the remaining 6 User Codes may be programmed (by a Master Code) to the required level of access. These may be changed at any time via a Master level code

The User Code levels available and the functions available for the levels are:-

1 = Set Only	Only Allows for the setting of the system.
2 = Main User	Allows Setting, Part Setting, Zone Remove (if programmed by engineer), System Test, Unsetting, Reset after Alarm (if programmed by engineer).
3 = User	Allows Setting, Part Setting, Reset after Alarm (if programmed by engineer), Unsetting.
4 = Master (User 1 always Master)	Allows Setting, Unsetting, Zone Remove (if programmed by engineer), Test System, View Log, Chime On/Off, User Codes, Set Time/Date, Reset After Alarm (if programmed by engineer), Unsetting.

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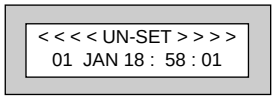
Setting The System

This section is for systems fitted with LCD keypads for LED keypads please refer to page 13

1) With the display showing:-



2) Enter the User code (followed by YES if Master or Main type code has been used). The display will show:- and a continuous exit tone will sound

3) Exit the premises via the authorised exit route (the exit tone will change if any detectors are violated during exit)

4) Once the premises are secure listen that the exit tone returns to the continuous tone.

5) Wait until the exit tone finishes before leaving.

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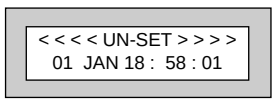
Unsetting The System

1) Enter the premises via the authorised entry route (the broken entry tone will sound), proceed to the keypad.

2) At the keypad enter a valid code, the display will show:-



3) The system is now unset.

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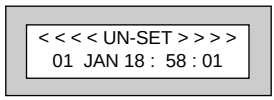
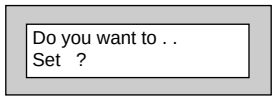
Part Setting The System
(using Master & Main type codes)

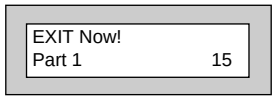
1) With the display showing:-



2) Enter a Master or Main type code, the display will show for example:-



3) Press 1, 2 or 3 (for Part 1, 2 or 3), the display will show for example:-



4) The exit tone may or may not be heard dependant on the system settings.

5) Exit the premises or retire to an unprotected part of the system. At the end of the exit time either the exit sounder will stop or a single beep will be emitted (dependant on system settings).

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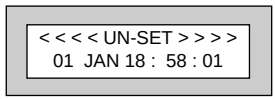
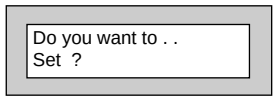
Removing Zones
(Master & Main codes only)

If programmed by the installation company individual zones may be removed, this may only be done by a Master or Main level of code.

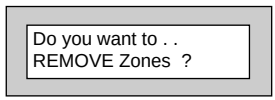
1) With the display showing:-



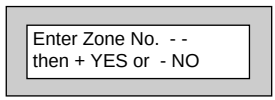
2) Enter a Master or Main level code, the display will show:-



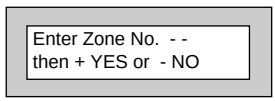
3) Press NO, the display will show:-



4) Press YES, the display will show:-

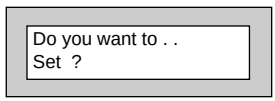


5) Enter the zone number you wish to remove followed by YES (pressing NO will 'un-remove' a zone), the display will show:-



6) Repeat step 5 until you have removed all the required zones.

7) Press 0 to escape, the display will show:-



8) Press YES, the continuous exit tone will sound.

9) Exit the premises via the authorised exit route (the exit tone will change as detectors are violated). When the premises are secure listen that the exit tone returns to the continuous tone. Wait until the exit tone finishes before leaving.

Note: Zone remove is only effective for the one set.

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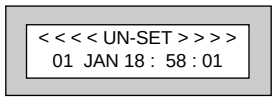
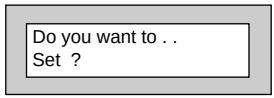
Testing The System
(Master & Main codes only)

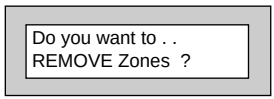
1) With the display showing:-



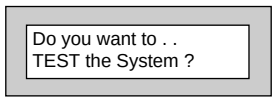
2) Enter a Master or Main level code, the display will show:-
(User Names on 816 & 840 Only)



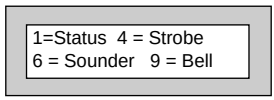
3) Press NO, the display will show:-



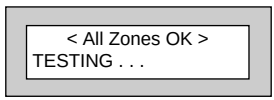
4) Press NO, the display will show:-



5) Press YES, the display will show:- for 3 seconds



Then for example:-



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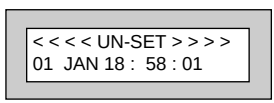
6) Pressing 1 will enter zone Status mode (All zones will show on the display and will be deleted as each zone is triggered). Press 0 to escape.
Pressing 6 will silence the internal sounder,
Pressing 4 will toggle the Strobe On/Off,
Pressing 9 will toggle the Bell On/Off

7) Whilst in Test mode any zones violated will sound the internal sounder (if it has not been silenced) and show on the display.

8) When you have finished testing the system press 0 twice, the display will show:-



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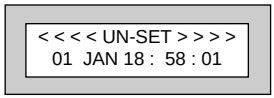
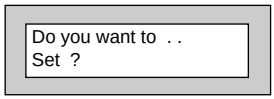
Viewing The Event Log
(Master code only)

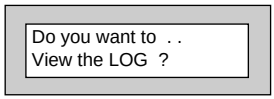
1) With the display showing:-



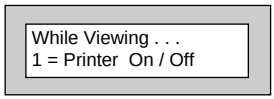
2) Enter a Master Code, the display will show for example:-



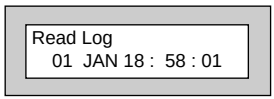
3) Press NO three times, the display will show:-



4) Press YES, the display will show:- for 3 seconds



Then, for example:-



5) This is the most recent event in the log.

Whilst viewing the Log,

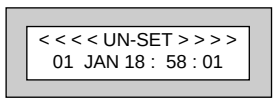
Pressing NO will move back to the previous event.

Pressing YES will move forward to the next event.

Pressing 7 will take you back to the last event of the previous day.

Pressing 9 will take you forward to the first event of the next day.

6) When you have finished viewing the Log press 0 twice the display will show:-



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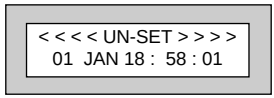
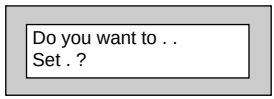
Changing The Chime Status
(Master code only)

The Chime zones will have previously been programmed by the installation company. A Master level code may change the status of the Chime between On and Off. To do so proceed as follows:-

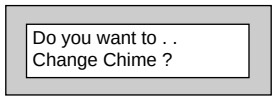
1) With the display showing:-



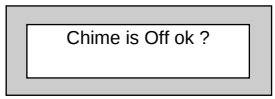
2) Enter a Master Code, the display will show for example:-



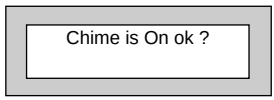
3) Press NO four times, the display will show:-



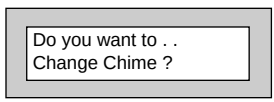
4) Press YES the display will show for example:-



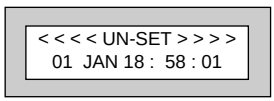
Or:-



5) Press NO to change the status of the Chime, then press YES, the display will show:-



6) Press 0 to escape, the display will show:-



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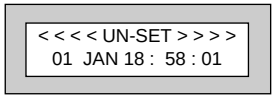
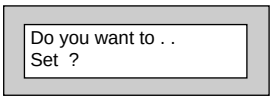
Programming User Codes
(Master code only)

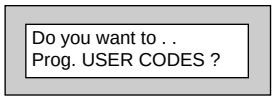
1) With the display showing:-



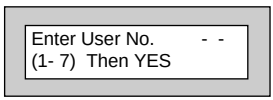
2) Enter a Master Code, the display will show:-
(User Names on 816 & 840 Only)



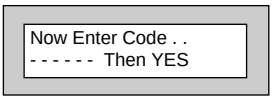
3) Press NO five times, the display will show:-



4) Press YES, the display will show:-
(1 - 7) displayed on 800 & 816



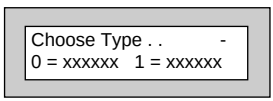
5) Enter the user number (1 to 7) that you wish to program followed by YES, the display will show:-



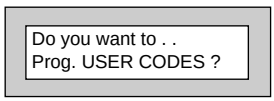
6) Enter the code you require (codes may be 4, 5 or 6 digits) followed by YES.
(Entering 000000 will delete an existing code)

Note: If the code already exists or is a duress of another code an error will be shown, choose another code and return to step 6

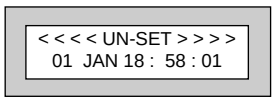
7) The display will show:-
(not if user 1 is being programmed).
The display will scroll showing the code types available (see user types or display).



8) Enter the required type followed by YES, the display will show:-



9) If you wish to program other User Codes return to step 4
Or
Press 0 to return to:-



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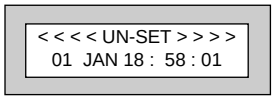
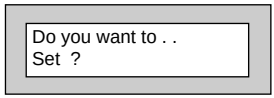
Programming Time & Date

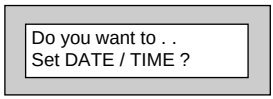
1) With the display showing:-



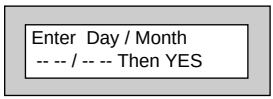
2) Enter a Master Code, the display will show:-
(User Names on 816 & 840 Only)



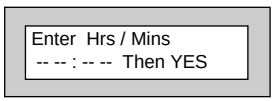
3) Press NO six times, the display will show:-



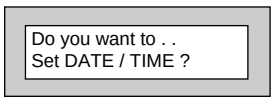
4) Press YES the display will show:-



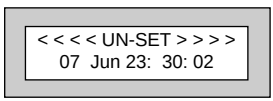
5) Enter the Day/Month (ie. 0706 for 7th June) followed by YES. The display will show:-



6) Enter the time using 24Hr Clock (ie. 23:30 for 11:30pm) followed by YES the display will show:-



7) Press 0 the display will show:-



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User Initiating Remote Access (Optional)

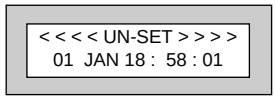
Access Remote allows your installation company to examine your system and re-program system settings as you need the changes without the need for an engineer to visit your premises.

If your system has remote communications fitted your installation company may have programmed the system so that you initialise the Access Remote call (usually on lines with incoming calls barred).

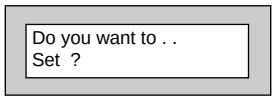
To initiate the Remote Call follow the instructions below.

1) Negotiate with your installation company when you should initiate the Remote Call.

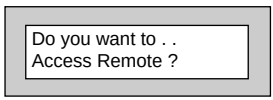
2) With the display showing:-



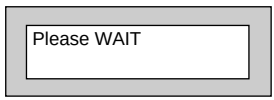
3) Enter a Master Code, the display will show:-
(User Names on 816 & 840 Only)



4) Press NO seven times, the display will show:-

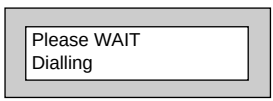


5) Press YES the display will show:-



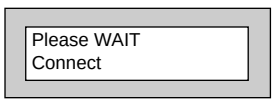
Until Dialling commences

Then:-

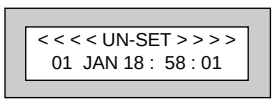


Until Connection

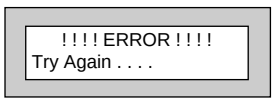
Then:-



6) When your installation company has finished the display will show:-



Note: In the event of any errors the display will show:-



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Resetting After an Alarm

Your installation company will have programmed the reset modes for your system so that it complies to your insurance company and legislation requirements.

Your installation company will have informed you as to the type of reset that your system is set for.

Before attempting to reset your system ensure that the system is Un-set.

1) If the system is programmed for any code reset enter a user (followed by YES if Master or Main code is used), the exit tone will sound and the display will show for example:-

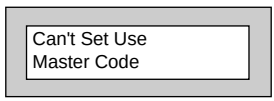
2) Enter the code again to abort the setting

3) The system is now reset

Or

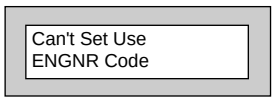
If a higher level of code is required one of the following displays will be shown:-

Use a Master code to reset the system.



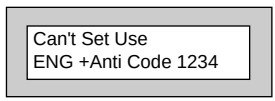
Or:-

Call the installation company

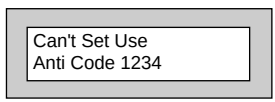


Or:-

Call the installation company and quote the number given



Or:-



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4) To reset the system with an anti-Code, contact the central station or engineer (as instructed by the installation company) and quote the source given by the display.

5) The central station or engineer will give a return Anti-Code (this may contain the YES & NO keys) for example 5, YES, 2, 4.

6) Enter this Anti-Code into the keypad

7) The system is now reset.

Resetting After Mains Failure

After a mains failure the user will have to enter his/her code twice in order to operate the system.

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Using LED Keypads

This section is dedicated to using LED keypads (Twin Seven Segment).

Setting The System

1) With the display showing **Un**

2) Enter the User Code (followed by YES if Master or Main type code has been used).

3) The display will show **E =** and the exit tone will sound. Exit the premises via the authorised exit route (the exit tone will change if any detectors are violated during exit).

4) Once the premises are secure listen that the exit tone returns to the continuous tone.

5) Wait until the exit tone finishes before leaving.

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Unsetting The System

1) Enter the premises via the authorised entry route (the broken entry tone will sound).

2) Proceed to the keypad, enter a valid user code, the display will show U n

3) The system is now Unset.

Part Setting The System (using Master & Main type codes)

1) With the display showing U n Enter a Master or Main type code

2) The display will show S E (flashing). Press 1, 2 or 3 (for Part 1, 2 or 3) the display will show the E and:-

   The two bottom bars if Part 1 has been selected

   The top and bottom bars if Part 2 has been selected

   The bottom bar only if Part 3 has been selected.

3) The exit tone may or may not be heard dependant on the system settings.

4) Exit the premises or retire to an unprotected part of the system. At the end of the exit time either the exit tone will stop or a single beep will be emitted (dependant on system settings).

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Removing Zones
(Master & Main codes only)

If programmed by the installation company individual zones may be removed, this may only be done by a Master or Main level of code.

1) With the display showing U n Enter a Master or Main level code.

2) The display will show 5 E (flashing), press NO.

3) The Display will show r E (flashing), press YES.

4) The display will show r -

5) Enter the zone number you wish to remove followed by YES.

6) The display will show r -

7) If you wish to remove other zones return to step 5

   Or

   To escape press 0 the display will show 5 E (flashing).

8) Press YES to start setting the system.

9) Exit the premises or retire to an unprotected part of the system. At the end of the exit time the exit tone will stop provided the system was clear.

Note: Zone remove is only effective for the one set.

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Testing The System
(Master & Main codes only)

1) With the display showing U n

2) Enter a Master or Main level code, the display will show S E (flashing).

3) Press NO twice, the display will show t E (flashing).

4) Press YES, the display will show t A press YES if you wish to test all areas (**or** press NO until the area you wish to test is displayed then press YES)

5) The display will show tE (if all zones are clear).

6) Whilst in test mode:-

   Pressing 6 will silence the internal sounders

   Pressing 4 will toggle the strobe On / Off

   Pressing 9 will toggle the Bells On / Off

7) When you have finished testing the system press 0 twice to return to the Unset condition.

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Viewing The Event Log (Master code only)

1) With the display showing U n enter a Master code.

2) The display will show S E (flashing), press NO three times.

3) The display will show L o (flashing).

4) Press YES, the display may show for example A L this is the most recent event.

5) Whilst viewing the Log :-

Pressing NO will move back to the previous event.

Pressing YES will move forwards to the next event.

Pressing 7 will take you back to the first event of the previous day.

Pressing 9 will take you forwards to the first event of the next day.

Pressing 3 will display the Date / Time in the format
Day of month (two digits)
Month (two digits)
Hour (two digits)
Seconds (two digits)

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7) When you have finished viewing the Log press 0 twice to return to the Unset condition.

Note: A complete list of possible LED displays is given in the section LED Display Glossary.

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Changing The Chime Status (Master code only)

The Chime zones will have previously been programmed by your installation company. A Master level code may change the status of the chime between On and Off. To do so proceed as follows:-

1) With the display showing U n enter a Master code

2) The display will show S E (flashing)

3) Press NO four times the display will show C h

4) Press YES, the display will show o F or o n

5) Press NO to change the Chime status.

6) When you have finished press 0 twice to return to the Unset condition.

Programming User Codes (Master code only)

Please refer to pages 2 & 34 for details of codes already programmed onto your system.

1) With the display showing U c enter a Master code

2) The display will show S E

3) Press NO five times, the display will show U c (flashing).

4) Press YES, the display will show U -

5) Enter the User number you wish to program (1 to 7 for 800 followed by YES

6) The display will show C o Enter the required code (4, 5 or 6 digits) followed by YES. (Entering 000000 will delete an existing code).

7) The display will show A - enter the code type from the following list followed by YES:-
Code Types may be seen at the beginning of this manual.

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9) If you wish to program other User codes return to step 4

Or

To return to the Unset condition press 0

Programming Date & Time

Note: When using LED keypads the Date & time will only be displayed when the 3 key is pressed whilst viewing the Log.

1) With the display showing **U n** enter a Master code

2) The display will show **S E**

3) Press NO six times, the display will show **d t** (flashing).

4) Press YES, the display will show **d -** enter the day and month followed by YES (e.g 0706 for 7th June).

5) The display will show **t -** enter the time using the 24Hr clock followed by YES (e.g 2330 for 11:30pm).

6) The display will show **d t** (flashing).

7) If you wish to re-program the time return to step 4

Or

To return to the Unset condition press 0

User Initiating Remote Access

Users should only initiate Remote Access when instructed to do so by the installation company.

1) With the display showing **U n** enter a master level code then press NO seven times the display will flash **A r**.

2) Press YES the display will show **W J** (Wait) then **d I** (Dialling) then **C n** (Connected).

3) When the installation company has finished the display will return to **U n**

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Resetting After An Alarm

Your installation company will have programmed the reset modes for your system so that it complies to your insurance company and legislation requirements.

Your installation company will have informed you as to the type of reset that your system is set for.

Before attempting to reset your system ensure that the system is Un-set.

1) If the system is programmed for any code reset enter a user (followed by YES if Master or Main code is used), the exit tone will sound and the display will show for example

2) Enter the code again to abort the setting.

3) The system is now reset.

Or

If the display shows ' Er ' when you attempt to reset it refer to the programmed reset mode and take the appropriate action as follows:-

Reset Type	**Action**
Master Code	Use a Master code to set and abort setting
Engineer Code	Call the installation company.
Engineer + Anti-Code	Call the installation company.
Anti-Code	When you try to set the system make a note of the four digit number given on the display, call the installation company or central station for an Anti-Code and proceed as shown from step 4

4) To reset the system with an Anti-Code enter the number given by the central station or installation company into the keypad (this may contain the YES & NO keys).

5) The system is now reset.

Resetting After Mains Failure

After a mains failure the user will have to enter his/her code twice in order to operate the system.

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LED Display Glossary

Displays During Normal Use

U n	System Unset.
E ≡	The system is full setting.
≡	The system is fully set.
E =	The system is part 1 setting.
=	The system is part 1 set.
E ‾	The system is part 2 setting.
‾	The system is part 2 set.
E _	The system is part 3 setting
_	The system is part 3 set
A L	An alarm has occurred press NO to view.
F b	Fuse blown or battery volts low.
●c b	Control box tamper.
●b b	bell box tamper.
P L	Telephone Line fault (or coms fail).
P c	Power Cut.
●Ⱶ4	Tamper keypad 4 (may show 1 to 4).
E r	Reset is required by a higher level code or an error has occurred whilst programming.
A c	Reset by Anti-Code is required.
S E	(flashing) Do you want to Set.
r E	Remove zones.
Ⱶ E	Test system.
C h	Change Chime.
U c	Program User codes.
d Ⱶ	Program date time.
L o	Log
- -	Waiting for numeric input.
L U	Wait, system in use.
E n	Engineer code reset required.
E n	(flashing) Call Engineer

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Displays Whilst Viewing Log

04	Alarm occurred because of zone 4 was activated.
•04	Alarm occurred because of tamper on zone 4.
04	(flashing) zone 4 was removed.
Lr	Telephone Line restored.
Pr	Power restored.
d3	Duress code by user 3.
rE	Watchdog reset.
Ar	Alarm was reset.
bo	bells on.
01	User code 1 used (may show 1 to 47).
F2	Fire activated from alert keys on keypad 2.
A2	Alert activated from alert keys on keypad 2.
P2	Panic activated from alert keys on keypad 2.
tF	A zone on test has failed.
rL	read Log.

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System Attributes

Zone No.	Zone Type	Location	Part Info
Example	E/E	Front Door	1&2
1			
2			
3			
4			
5			
6			
7			
8			

Service Record

Date	Comments	Signature

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Alarm Reset Type:- **Tamper Reset Type:-**

Service Company:-

Tel:- **Fax:-**

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User Chart

Please use this chart to indicate what user names have been programmed onto your system and those that are in use.

	In Use	Name
User 1		
User 2		
User 3		
User 4		
User 5		
User 6		
User 7		
User 8		

User Notes

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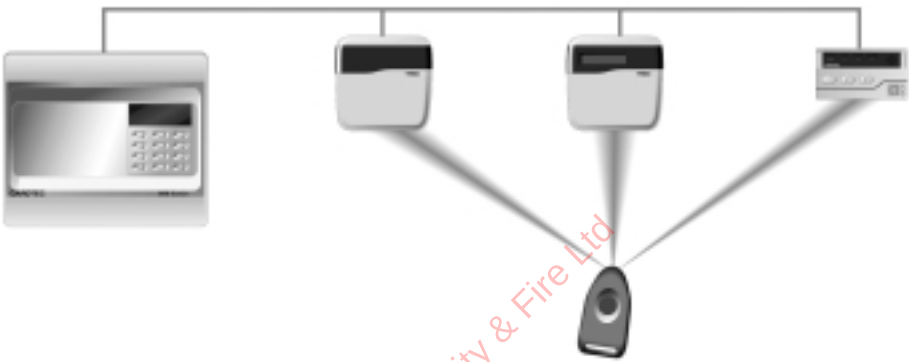
ACE User Instructions

ACE (Advanced Control Equipment) allows control of your Gardtec *590/591* system via Infra-Red Remote control. Ace is available built in to a range of keypads or as a stand alone unit, control is via neat remote keyfob(s).

We strongly advise that User Number 1 is not used for ACE in order that the user retains control of the programming functions.



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Setting the System with ACE

1) Point the keyfob at the ACE receiver and press the button.

2) When the exit tone sounds exit the premises in the usual way.

Part Setting the System with ACE

1) Point the keyfob at the ACE receiver and press the button.

2) When you hear the exit tone press the keyfob button again (within 3 seconds) for Part Set 1.

or

Press 1, 2 or 3 on the receiver/keypad for the Part Set you require.

Unsetting the System with ACE

1) Enter the premises via an authorised entry point.

2) Point the keyfob at the receiver and press the button.

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Programming ACE
Keyfobs onto your System

Two modes are available for ACE, these are 'Normal' & 'High' Security. Please check the User Information Chart on page 2 noting the mode of your ACE control.

Normal Security
In this mode up to fourteen keyfobs may be programmed onto a single user number

1) Follow the procedure for programming user codes to the point when the user code is entered.

2) Point the keyfob at the ACE unit and press the button on the fob.

3) Repeat this procedure for any other fobs you wish to be programmed using the **same user number** each time (e.g User 1 or User 2 etc.) each time.

4) If more than one ACE receiver is fitted fobs need to be programmed onto all ACE receivers, yet again the **same user number** should be used.

Note: When programming the fob onto more than one receiver (on the same system) the button on the fob MUST be held down continuously between programming onto the first and subsequent ACE receivers.

High Security
In this mode each keyfob will occupy a User number. The number of keyfobs that may be used is limited by the maximum number of user codes available on the system up to a maximum of fourteen.

1) Follow the procedure for programming user codes to the point when the user code is entered.

2) Point the keyfob at the ACE unit and press the button on the fob.

3) Repeat this procedure for any other fobs you wish to be programmed using a **different user number** each time (e.g User 1 or User 2 etc.) each time.

4) If more than one ACE receiver is fitted fobs need to be programmed onto all ACE receivers, **retaining the same user number for each individual fob**.

Note: When programming the fob onto more than one receiver (on the same system) the button on the fob MUST be held down continuously between programming onto the first and other ACE receivers.

Note: In all cases when the ACE is used only Master & Main user levels will allow part setting via the keyfob. Other code levels will only allow part setting in conjunction with the keypad.

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